

## ABSTRACT OF THE DISCLOSURE

A cell search method is disclosed in which autocorrelation patterns are subtracted from a correlation value profile. When carrying out a cell search with respect to a correlation value  
5 profile, the peak timing of a first base station is first detected and the scrambling code of this base station is identified. A path search process is then carried out using this timing and scrambling code to detect timings at which multipath occur. Autocorrelation patterns that center on the obtained frame  
10 timings and autocorrelation patterns that center on multipath are next generated and a process is performed to subtract these autocorrelation patterns from the correlation value profile. This process enables the rapid detection of peak produced by a second base station.